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* * * * * Welcome to STN International * * * * *

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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 DEC 05 CASREACT(R) - Over 10 million reactions available
NEWS 4 DEC 14 2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS 5 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS 6 DEC 14 CA/Caplus to be enhanced with updated IPC codes
NEWS 7 DEC 21 IPC search and display fields enhanced in CA/Caplus with the
IPC reform
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV
NEWS 13 JAN 30 Saved answer limit increased

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
<http://download.cas.org/express/v8.0-Discover/>

NEWS HOURS STN Operating Hours Plus Help Desk Availability
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:54:49 ON 30 JAN 2006

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 13:55:04 ON 30 JAN 2006

FILE 'AGRICOLA' ENTERED AT 13:55:04 ON 30 JAN 2006

FILE 'CABA' ENTERED AT 13:55:04 ON 30 JAN 2006

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FILE 'CAPLUS' ENTERED AT 13:55:04 ON 30 JAN 2006
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FILE 'BIOSIS' ENTERED AT 13:55:04 ON 30 JAN 2006
Copyright (c) 2006 The Thomson Corporation

FILE 'BIOTECHNO' ENTERED AT 13:55:04 ON 30 JAN 2006
COPYRIGHT (C) 2006 Elsevier Science B.V., Amsterdam. All rights reserved.

=> s (da costa e silva, o? or da costa e silva o?)/au
L1 52 (DA COSTA E SILVA, O? OR DA COSTA E SILVA O?)/AU

=> s (bohnert, h? or bohnert h?)/au
L2 1107 (BOHNERT, H? OR BOHNERT H?)/AU

=> s (van thielen, n? or van thielen n?)/au
L3 21 (VAN THIELEN, N? OR VAN THIELEN N?)/AU

=> s (chen, r? or chen r?)/au
L4 13011 (CHEN, R? OR CHEN R?)/AU

=> s l1 and l2 and l3 and l4
L5 10 L1 AND L2 AND L3 AND L4

=> duplicate remove l5
DUPLICATE PREFERENCE IS 'CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L6 10 DUPLICATE REMOVE L5 (0 DUPLICATES REMOVED)

=> s zinc adj finger
L7 0 ZINC ADJ FINGER

=> s zinc(w)finger
L8 31306 ZINC(W) FINGER

=> s l6 and l8
L9 0 L6 AND L8

=> d l6 1-10 ti

L6 ANSWER 1 OF 10 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Phosphatase stress-related proteins and methods of use in plants.

L6 ANSWER 2 OF 10 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Signal transduction stress-related proteins and methods of use in plants.

L6 ANSWER 3 OF 10 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Cell cycle stress-related proteins and methods of use in plants.

L6 ANSWER 4 OF 10 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI GTP binding stress-related proteins and methods of use in plants.

L6 ANSWER 5 OF 10 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Transcription factor stress-related proteins and methods of use in plants.

L6 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
TI Transgenic plants expressing protein phosphatase stress-related
polypeptides for stress resistance

L6 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
TI Protein and cDNA sequence of Physcomitrella patens protein kinase
stress-related proteins and uses in plants for increased tolerance to
environmental stresses

L6 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Protein and cDNA sequence of Physcomitrella patens signal transduction stress-related proteins and uses in plants for increased tolerance to environmental stresses

L6 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Protein and cDNA sequence of Physcomitrella patens cell cycle stress-related proteins and uses in plants for increased tolerance to environmental stresses

L6 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

TI Transgenic plants expressing GTP-binding stress-related protein (GBSRP) genes for increased tolerance of environmental stress

=> d l6 5 bib

L6 ANSWER 5 OF 10 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2004:110583 BIOSIS

DN PREV200400113555

TI Transcription factor stress-related proteins and methods of use in plants.

AU da Costa e Silva, Oswaldo [Inventor, Reprint Author];

Bohnert, Hans J. [Inventor]; van Thielen, Nocha

[Inventor]; Chen, Ruoying [Inventor]

CS Apex, NC, USA

ASSIGNEE: BASF Plant Science GmbH, Ludwigshafen, Germany

PI US 6677504 20040113

SO Official Gazette of the United States Patent and Trademark Office Patents, (Jan 13 2004) Vol. 1278, No. 2. <http://www.uspto.gov/web/menu/patdata.html> . e-file.

ISSN: 0098-1133 (ISSN print).

DT Patent

LA English

ED Entered STN: 25 Feb 2004

Last Updated on STN: 25 Feb 2004

=> d his

(FILE 'HOME' ENTERED AT 13:54:49 ON 30 JAN 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 13:55:04 ON 30 JAN 2006

L1 52 S (DA COSTA E SILVA, O? OR DA COSTA E SILVA O?)/AU

L2 1107 S (BOHNERT, H? OR BOHNERT H?)/AU

L3 21 S (VAN THIELEN, N? OR VAN THIELEN N?)/AU

L4 13011 S (CHEN, R? OR CHEN R?)/AU

L5 10 S L1 AND L2 AND L3 AND L4

L6 10 DUPLICATE REMOVE L5 (0 DUPLICATES REMOVED)

L7 0 S ZINC ADJ FINGER

L8 31306 S ZINC(W)FINGER

L9 0 S L6 AND L8

=> s l1 or l2 or l3 or l4

L10 14141 L1 OR L2 OR L3 OR L4

=> s l10 not l5

L11 14131 L10 NOT L5

=> s l8 and l11

L12 12 L8 AND L11

=> duplicate remove l12

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, BIOTECHNO'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L12

L13 7 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)

=> d l13 1-7 ti

L13 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Human proteins for therapeutic use, nucleic acids coding them, methods for analysis, and molecular cloning methods for production

L13 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
 TI Cloning and characterization of a novel mouse gene BSG5 cDNA specifically expressed in early embryo brain

L13 ANSWER 3 OF 7 MEDLINE on STN DUPLICATE 2
 TI Mechanism of hedgehog signaling during Drosophila eye development.

L13 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Molecular mechanism of the sensitivity of myocardial cell injury after severe hypoxia

L13 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Transcription factor stress-related proteins and methods of use in plants

L13 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI UV resonance Raman probe of heme-bound imidazole established by 15N-labeling of hemoglobin

L13 ANSWER 7 OF 7 MEDLINE on STN DUPLICATE 3
 TI Testicular cancer in association with developmental renal anomalies and hypospadias.

=> d l13 5 bib

L13 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2001:763173 CAPLUS
 DN 135:314467
 TI Transcription factor stress-related proteins and methods of use in plants
 IN Da Costa Silva, Oswaldo; Bohnert, Hans J.; Van Thielen, Nocha; Chen, Ruoying
 PA Basf Plant Science G.m.b.H., Germany
 SO PCT Int. Appl., 129 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001077311	A2	20011018	WO 2001-US11393	20010406
	WO 2001077311	A3	20030123		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2405721	AA	20011018	CA 2001-2405721	20010406
	US 2002066124	A1	20020530	US 2001-828310	20010406
	US 6689939	B2	20040210		
	US 2002069432	A1	20020606	US 2001-828447	20010406
	US 6720477	B2	20040413		
	CA 2405697	AA	20020613	CA 2001-2405697	20010406
	WO 2002046442	A2	20020613	WO 2001-US11253	20010406
	WO 2002046442	A3	20030612		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG,			

KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN,
 GW, ML, MR, NE, SN, TD, TG

AU 2002043190	A5	20020618	AU 2002-43190	20010406
US 2002102695	A1	20020801	US 2001-828303	20010406
US 6677504	B2	20040113		
US 2002152502	A1	20021017	US 2001-828302	20010406
US 6818805	B2	20041116		
EP 1311693	A2	20030521	EP 2001-928400	20010406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003097675	A1	20030522	US 2001-828062	20010406
US 6710229	B2	20040323		
EP 1335986	A2	20030820	EP 2001-989068	20010406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
US 2004194163	A1	20040930	US 2003-688481	20031017
US 2004107463	A1	20040603	US 2003-716089	20031118
US 2004148658	A1	20040729	US 2004-764259	20040123
US 2004128721	A1	20040701	US 2004-768511	20040130
US 2004216183	A1	20041028	US 2004-770225	20040202
PRAI US 2000-196001P	P	20000407		
US 2001-828062	A3	20010406		
US 2001-828302	A3	20010406		
US 2001-828303	A3	20010406		
US 2001-828310	A3	20010406		
US 2001-828447	A3	20010406		
WO 2001-US11253	W	20010406		
WO 2001-US11393	W	20010406		

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(FILE 'HOME' ENTERED AT 13:54:49 ON 30 JAN 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 13:55:04 ON 30 JAN 2006

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L1      52 S (DA COSTA E SILVA, O? OR DA COSTA E SILVA O?)/AU
L2      1107 S (BOHNERT, H? OR BOHNERT H?)/AU
L3      21 S (VAN THIELEN, N? OR VAN THIELEN N?)/AU
L4      13011 S (CHEN, R? OR CHEN R?)/AU
L5      10 S L1 AND L2 AND L3 AND L4
L6      10 DUPLICATE REMOVE L5 (0 DUPLICATES REMOVED)
L7      0 S ZINC ADJ FINGER
L8      31306 S ZINC(W)FINGER
L9      0 S L6 AND L8
L10     14141 S L1 OR L2 OR L3 OR L4
L11     14131 S L10 NOT L5
L12     12 S L8 AND L11
L13     7 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
  
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=> s zinc(w)finger(s)physcomitrella
L14      2 ZINC(W) FINGER(S) PHYSCOMITRELLA
  
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=> s l14 not l10
L15      2 L14 NOT L10
  
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=> d l15 1-2 ti

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L15  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Photoperiod-regulated expression of the PpCOL1 gene encoding a homolog of
      CO/COL proteins in the moss Physcomitrella patens
  
```

```

L15  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   The plastome-encoded zfp A gene of a moss contains prokaryotic as well as
      eukaryotic promoter consensus sequences and its RNA abundance is modulated
      by cytokinin
  
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=> d 115 1-2 bib

L15 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:886615 CAPLUS
DN 142:19959
TI Photoperiod-regulated expression of the PpCOL1 gene encoding a homolog of
CO/COL proteins in the moss *Physcomitrella patens*
AU Shimizu, Masashi; Ichikawa, Kazuhiro; Aoki, Setsuyuki
CS Graduate School of Information Science, Nagoya University, Chikusa-ku,
Nagoya, 464-8601, Japan
SO Biochemical and Biophysical Research Communications (2004), 324(4),
1296-1301
CODEN: BBRCA9; ISSN: 0006-291X
PB Elsevier
DT Journal
LA English
RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1993:442351 CAPLUS
DN 119:42351
TI The plastome-encoded zfp A gene of a moss contains prokaryotic as well as
eukaryotic promoter consensus sequences and its RNA abundance is modulated
by cytokinin
AU Kasten, Britta; Wehe, Michael; Kruse, Sven; Reutter, Kirsten; Abel,
Wolfgang O.; Reski, Ralf
CS Inst. Allg. Bot., Hamburg, W-2000/52, Germany
SO Current Genetics (1992), 22(4), 327-33
CODEN: CUGED5; ISSN: 0172-8083
DT Journal
LA English

=> d 115 2 kwic

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
IT Proteins, specific or class
RL: BIOL (Biological study)
(gene zfpA, encoded by *Physcomitrella patens* plastid, amino
acid sequence and **zinc finger** conformation of)
IT Conformation and Conformers
(**zinc-finger** motif, of gene zfpA protein encoded by
Physcomitrella patens plastid)

=> d his

(FILE 'HOME' ENTERED AT 13:54:49 ON 30 JAN 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
13:55:04 ON 30 JAN 2006

L1 52 S (DA COSTA E SILVA, O? OR DA COSTA E SILVA O?)/AU
L2 1107 S (BOHNERT, H? OR BOHNERT H?)/AU
L3 21 S (VAN THIELEN, N? OR VAN THIELEN N?)/AU
L4 13011 S (CHEN, R? OR CHEN R?)/AU
L5 10 S L1 AND L2 AND L3 AND L4
L6 10 DUPLICATE REMOVE L5 (0 DUPLICATES REMOVED)
L7 0 S ZINC ADJ FINGER
L8 31306 S ZINC(W)FINGER
L9 0 S L6 AND L8
L10 14141 S L1 OR L2 OR L3 OR L4
L11 14131 S L10 NOT L5
L12 12 S L8 AND L11
L13 7 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
L14 2 S ZINC(W)FINGER(S)PHYSCOMITRELLA
L15 2 S L14 NOT L10

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	47.73	47.94

FILE 'USPATFULL' ENTERED AT 14:01:31 ON 30 JAN 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 26 Jan 2006 (20060126/PD)
FILE LAST UPDATED: 26 Jan 2006 (20060126/ED)
HIGHEST GRANTED PATENT NUMBER: US6990685
HIGHEST APPLICATION PUBLICATION NUMBER: US2006021102
CA INDEXING IS CURRENT THROUGH 26 Jan 2006 (20060126/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 26 Jan 2006 (20060126/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2005

=> s 11
4 DA COSTA E SILVA, O?/AU
4 DA COSTA E SILVA O?/AU
L16 4 (DA COSTA E SILVA, O? OR DA COSTA E SILVA O?)/AU

=> s 12
19 BOHNERT, H?/AU
19 BOHNERT H?/AU
L17 19 (BOHNERT, H? OR BOHNERT H?)/AU

=> s 13
5 VAN THIELEN, N?/AU
5 VAN THIELEN N?/AU
L18 5 (VAN THIELEN, N? OR VAN THIELEN N?)/AU

=> s 14
575 CHEN, R?/AU
575 CHEN R?/AU
L19 575 (CHEN, R? OR CHEN R?)/AU

=> s 11 and 12 and 13 and 14
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4 DA COSTA E SILVA O?/AU
19 BOHNERT, H?/AU
19 BOHNERT H?/AU
5 VAN THIELEN, N?/AU
5 VAN THIELEN N?/AU
575 CHEN, R?/AU
575 CHEN R?/AU
L20 1 L1 AND L2 AND L3 AND L4

=> d 120 bib

L20 ANSWER 1 OF 1 USPATFULL on STN
AN 2002:274368 USPATFULL
TI Phosphatase stress-related proteins and methods of use in plants
IN **da Costa e Silva, Oswaldo**, Apex, NC, UNITED STATES
Bohnert, Hans J., Tucson, AZ, UNITED STATES
van Thielen, Nocha, Cary, NC, UNITED STATES
Chen, Ruoying, Apex, NC, UNITED STATES
Ishitani, Manabu, Cary, NC, UNITED STATES
PI US 2002152502 A1 20021017
US 6818805 B2 20041116
AI US 2001-828302 A1 20010406 (9)
PRAI US 2000-196001P 20000407 (60)
DT Utility
FS APPLICATION
LREP SUTHERLAND ASBILL & BRENNAN LLP, 999 Peachtree Street, NE, Atlanta, GA,
30309-3996
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN 31 Drawing Page(s)

=> s l1 or l2 or l3 or l4

4 DA COSTA E SILVA, O?/AU

4 DA COSTA E SILVA O?/AU

19 BOHNERT, H?/AU

19 BOHNERT H?/AU

5 VAN THIELEN, N?/AU

5 VAN THIELEN N?/AU

575 CHEN, R?/AU

575 CHEN R?/AU

L21 582 L1 OR L2 OR L3 OR L4

=> d his

(FILE 'HOME' ENTERED AT 13:54:49 ON 30 JAN 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
13:55:04 ON 30 JAN 2006

L1 52 S (DA COSTA E SILVA, O? OR DA COSTA E SILVA O?)/AU

L2 1107 S (BOHNERT, H? OR BOHNERT H?)/AU

L3 21 S (VAN THIELEN, N? OR VAN THIELEN N?)/AU

L4 13011 S (CHEN, R? OR CHEN R?)/AU

L5 10 S L1 AND L2 AND L3 AND L4

L6 10 DUPLICATE REMOVE L5 (0 DUPLICATES REMOVED)

L7 0 S ZINC ADJ FINGER

L8 31306 S ZINC(W) FINGER

L9 0 S L6 AND L8

L10 14141 S L1 OR L2 OR L3 OR L4

L11 14131 S L10 NOT L5

L12 12 S L8 AND L11

L13 7 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)

L14 2 S ZINC(W) FINGER(S) PHYSCOMITRELLA

L15 2 S L14 NOT L10

FILE 'USPATFULL' ENTERED AT 14:01:31 ON 30 JAN 2006

L16 4 S L1

L17 19 S L2

L18 5 S L3

L19 575 S L4

L20 1 S L1 AND L2 AND L3 AND L4

L21 582 S L1 OR L2 OR L3 OR L4

=> s l14

250011 ZINC

192214 FINGER

114 PHYSCOMITRELLA

L22 4 ZINC(W) FINGER(S) PHYSCOMITRELLA

=> s l22 not l20

L23 4 L22 NOT L20

=> d l23 1-4 ti

L23 ANSWER 1 OF 4 USPATFULL on STN

TI Transcription factor stress-related proteins and methods of use in
plants

L23 ANSWER 2 OF 4 USPATFULL on STN

TI Transcription factor stress-related proteins and methods of use in
plants

L23 ANSWER 3 OF 4 USPATFULL on STN

TI Polynucleotides and polypeptides in plants

L23 ANSWER 4 OF 4 USPATFULL on STN

TI Transcription factor stress-related proteins and methods of use in

plants

=> d 123 1-4 bib

L23 ANSWER 1 OF 4 USPATFULL on STN
AN 2004:146092 USPATFULL
TI Transcription factor stress-related proteins and methods of use in
plants
IN e Silva, Oswaldo da Costa, Cary, NC, UNITED STATES
Thielen, Nocha van, Chapel Hill, NC, UNITED STATES
Chen, Ruoying, Apex, NC, UNITED STATES
PI US 2004111768 A1 20040610
AI US 2002-168846 A1 20021029 (10)
WO 2000-US34972 20001222
DT Utility
FS APPLICATION
LREP SUTHERLAND ASBILL & BRENNAN LLP, 999 PEACHTREE STREET, N.E., ATLANTA,
GA, 30309
CLMN Number of Claims: 41
ECL Exemplary Claim: 1
DRWN 29 Drawing Page(s)
LN.CNT 3338
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L23 ANSWER 2 OF 4 USPATFULL on STN
AN 2004:140287 USPATFULL
TI Transcription factor stress-related proteins and methods of use in
plants
IN e Silva, Oswaldo da Costa, Apex, NC, UNITED STATES
Bohnert, Hans J., Tucson, AZ, UNITED STATES
Thielen, Nocha van, Cary, NC, UNITED STATES
Chen, Ruoying, Apex, NC, UNITED STATES
PI US 2004107463 A1 20040603
AI US 2003-716089 A1 20031118 (10)
RLI Division of Ser. No. US 2001-828303, filed on 6 Apr 2001, GRANTED, Pat.
No. US 6677504
PRAI US 2000-196001P 20000407 (60)
DT Utility
FS APPLICATION
LREP Kathryn H. Wade, Ph.D., SUTHERLAND ASBILL & BRENNAN LLP, 999 Peachtree
Street, NE, Atlanta, GA, 30309-3996
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 12 Drawing Page(s)
LN.CNT 4663
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L23 ANSWER 3 OF 4 USPATFULL on STN
AN 2004:26083 USPATFULL
TI Polynucleotides and polypeptides in plants
IN Sherman, Bradley K., Berkeley, CA, UNITED STATES
Riechmann, Jose Luis, Pasadena, CA, UNITED STATES
Jiang, Cai-Zhong, Fremont, CA, UNITED STATES
Heard, Jacqueline E., San Mateo, CA, UNITED STATES
Haake, Volker, Menlo Park, CA, UNITED STATES
Creelman, Robert A., Castro Valley, CA, UNITED STATES
Ratcliffe, Oliver, Oakland, CA, UNITED STATES
Adam, Luc J., Hayward, CA, UNITED STATES
Reuber, T. Lynne, San Mateo, CA, UNITED STATES
Keddie, James, San Mateo, CA, UNITED STATES
Broun, Pierre E., San Mateo, CA, UNITED STATES
Pilgrim, Marsha L., Phoenixville, PA, UNITED STATES
DuBell, Arnold N., III, San Leandro, CA, UNITED STATES
Pineda, Omaira, Vero Beach, FL, UNITED STATES
Yu, Guo-Liang, Berkeley, CA, UNITED STATES
PI US 2004019927 A1 20040129
AI US 2003-374780 A1 20030225 (10)
RLI Continuation-in-part of Ser. No. US 2001-837944, filed on 18 Apr 2001,

ABANDONED
 DT Utility
 FS APPLICATION
 LREP MATTHEW KASER, Mendel Biotechnology, Inc., 21375 Cabot Blvd., Hayward,
 CA, 94545
 CLMN Number of Claims: 112
 ECL Exemplary Claim: 1
 DRWN 14 Drawing Page(s)
 LN.CNT 32531
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L23 ANSWER 4 OF 4 USPATFULL on STN
 AN 2002:191630 USPATFULL
 TI Transcription factor stress-related proteins and methods of use in
 plants
 IN Silva, Oswaldo da Costa e, Apex, NC, UNITED STATES
 Bohnert, Hans J., Tucson, AZ, UNITED STATES
 Thielen, Nocha van, Cary, NC, UNITED STATES
 Chen, Ruoying, Apex, NC, UNITED STATES
 PI US 2002102695 A1 20020801
 US 6677504 B2 20040113
 AI US 2001-828303 A1 20010406 (9)
 PRAI US 2000-196001P 20000407 (60)
 DT Utility
 FS APPLICATION
 LREP SUTHERLAND ASBILL & BRENNAN LLP, 999 Peachtree Street, NE, Atlanta, GA,
 30309-3996
 CLMN Number of Claims: 32
 ECL Exemplary Claim: 1
 DRWN 44 Drawing Page(s)
 LN.CNT 4261
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 123 3 kwic

L23 ANSWER 3 OF 4 USPATFULL on STN
 DETD . . . sativa hypothetical protein.
 61 G354 gi21104613 4.00E-19 Oryza sativa
 (japonica contains ESTs AU07
 cultivar-group)
 61 G354 gi2981169 1.80E-17 Nicotiana tabacum
 osmotic stress-induced zinc-
 finger prot
 61 G354 gi1763063 4.10E-16 Glycine max
 SCOF-1.
 61 G354 gi4666360 8.90E-15 Datisca glomerata
 zinc-finger protein 1.
 61 G354 gi2058504 1.00E-14 Brassica rapa
 zinc-finger protein-1.
 61 G354 gi7228329 4.90E-14 Medicago sativa
 putative TFIIIA (or
 kruppel)-like zinc fi
 61 G354 gi485814 3.20E-13 Triticum aestivum
 WZF1.
 61 G354 gi2129892. . . 2.00E-17 Beta vulgaris
 35-E8143-006-003-J02-T3
 Sugar beet MPIZ-ADIS-
 63 G361 gi15528588 4.00E-29 Oryza sativa
 hypothetical protein.
 63 G361 gi18390109 2.80E-13 Sorghum bicolor
 putative zinc finger protein.
 63 G361 gi18674684 1.50E-07 Zea ramosa
 unnamed protein product.
 63 G361 gi14275902 6.10E-07 Petunia x hybrida
 lateral shoot inducing factor.
 63 G361. . . ESTs AU07
 cultivar-group)
 63 G361 gi2129892 0.00062 Pisum sativum

	probable finger protein			
	Pszf1 - garden pea.			
63	G361 gi2058504	0.0018	Brassica rapa	
	zinc-finger protein-1.			
63	G361 gi4666360	0.018	Datisca glomerata	
	zinc-finger protein 1.			
63	G361 gi7228329	0.047	Medicago sativa	
	putative TFIIIA (or			
	kruppel)-like zinc fi			
63	G361 gil763063	0.084	Glycine max	
	SCOF-1.			
65	G362. . . G362 gi15528588	2.70E-18	Oryza	
	sativa hypothetical protein.			
65	G362 gi2346984	9.00E-09	Petunia x hybrida	
	ZPT2-9.			
65	G362 gi18390109	9.90E-08	Sorghum bicolor	
	putative zinc finger protein.			
65	G362 gi21104613	0.00015	Oryza sativa	
	(japonica contains ESTs AU07			
			cultivar-group)	
65	G362 gil8674684	0.0028	Zea ramosa	
	unnamed protein product.			
65	G362. . . kruppel)-like zinc fi			
65	G362 gil763063	0.0039	Glycine max	
	SCOF-1.			
65	G362 gi485814	0.0062	Triticum aestivum	
	WZF1.			
65	G362 gi4666360	0.0072	Datisca glomerata	
	zinc-finger protein 1.			
65	G362 gi2058504	0.019	Brassica rapa	
	zinc-finger protein-1.			
67	G371 CA799489	2.00E-38	Glycine max	
	sat34e06.y1 Gm-cl056			
	Glycine max cDNA clone			
	SOY			
67	G371 AF265664	2.00E-32	Solanum tuberosum	
	resistance gene. . . (japonica		hypothetical prote	
			cultivar-group)	
67	G371 gi7688063	0.00026	Pisum sativum	
	constitutively			
	photomorphogenic 1 protein.			
67	G371 gi18129286	0.0057	Pinus pinaster	
	putative RING zinc finger			
	protein.			
67	G371 gi22775495	0.014	Arabis gemmifera	
	similar to A. thaliana			
	AT4g08590.			
67	G371 gi15029364	0.015	Rosa hybrid cultivar	
	photoregulatory zinc-finger			
	protein			
67	G371 gi7592844	0.025	Oryza sativa subsp.	
	COP1.			
			japonica	
67	G371 gi25044835	0.059	Ananas comosus	
	RING zinc finger protein.			
67	G371 gi11127996	0.12	Ipomoea nil	
	COP1.			
69	G390 AB084381	1.0e-999	Zinnia elegans	
	ZeHB-11 mRNA for			
	homeobox leucine-zipper pr			
69	G390 AB032182	1.0e-999		
	Physcomitrella patens PpHB10 mRNA for			
	homeobox protein PpHB			
69	G390 AY105765	1.0e-999	Zea mays	
	PCO144112 mRNA			
	sequence.			
69	G390 AAAA01006159	1.0e-999	Oryza sativa. . .	
	8.40E-280 Oryza sativa		putative homeodomain-	
	leucine zipper protein.			

69	G390	gi24431605	4.10E-274	Oryza sativa
	(japonica	Putative homeodoma		cultivar-group)
69	G390	gi7209912	2.80E-244	
	Physcomitrella patens	homeobox protein PpHB 10.		
69	G390	gi3868829	4.50E-32	Ceratopteris
	richardii	CRHB1.		
69	G390	gi19070143	5.00E-22	Picea abies
	homeodomain protein HB2.			
69	G390.	gi18481701	7.70E-19	Sorghum bicolor
	OCL5 protein.			
71	G391	AB084381	1.0e-999	Zinnia elegans
	ZeHB-11 mRNA for			
	homeobox leucine-zipper pr			
71	G391	AB032182	1.0e-999	
	Physcomitrella patens	PpHB10 mRNA for		
	homeobox protein PpHB			
71	G391	AY105765	1.0e-999	Zea mays
	PCO144112 mRNA			
	sequence.			
71	G391	AAAA01006159	1.00E-146	Oryza sativa.
	3.20E-296	Oryza sativa		putative homeodomain-
	leucine zipper protein.			
71	G391	gi24431605	7.10E-283	Oryza sativa
	(japonica	Putative homeodoma		cultivar-group)
71	G391	gi7209912	4.60E-255	
	Physcomitrella patens	homeobox protein PpHB10.		
71	G391	gi3868829	6.30E-33	Ceratopteris
	richardii	CRHB1.		
71	G391	gi18481701	9.10E-24	Sorghum bicolor
	OCL5 protein.			
71	G391	gi12002853	3.50E-23.	
DETD	. . .	Similar to Arabidopsis		
	thaliana chromosome 2			
85	G477	gi9087308	1.20E-14	Mitochondrion Beta
	orf102a.			vulgaris var.
	altissima			
85	G477	gi23630509	0.78	Triticum aestivum
	zinc finger protein.			
85	G477	gi14597634	1	
	Physcomitrella patens	15_ppprot1_080_c02.		
87	G481	BU238020	9.00E-71	Descurainia sophia
	Ds01_14a12 A			
	Ds01_AAFC_ECRC_cold.sub.--			
	stress			
87	G481	BG440251	2.00E-56	Gossypium arboreum
	GA_Ea0006K20f			
	Gossypium arboreum 7-10 d			
87.	. .	glycine rich protein.		
93	G489	gi15214035	0.75	Cicer arietinum
	HISTONE H2A.			
93	G489	gi2317760	0.75	Pinus taeda
	H2A homolog.			
95	G490	AX180963	1.00E-19	
	Physcomitrella patens	Sequence 14 from Patent		
	WO0145493.			
95	G490	AP004836	1.00E-19	Oryza sativa
	(japonica	() chromosome 2 clo		cultivar-group)
95	G490	AU197697	1.00E-19	Oryza sativa
	AU197697 Rice mature leaf			
	Oryza sativa cDNA cl			
95	G490	BJ193952	1.00E-19	
	Physcomitrella patens	BJ193952 normalized ful		subsp. patens
95	G490	AAAA01011976	1.00E-19	Oryza sativa (indica
	() scaffold011976			

95	G490	BM065544	2.00E-19	cultivar-group)
DETD	4.30E-07	Populus x canescens		Capsicum. . .
	protein.			putative RING
297	G1519	gi9294812	0.0026	Medicago truncatula
	MTD2.			
297	G1519	gi18129286	0.0028	Pinus pinaster
	putative RING zinc finger			
	protein.			
297	G1519	gi4090943	0.0029	Lycopersicon
	COP1 homolog.			
				esculentum
297	G1519	gi22775495	0.0095	Arabis gemmifera
	similar to A. thaliana			
	AT4g08590.			
297	G1519	gi20340241	0.021	Thellungiella
	halophila	putative RING zinc finger		
	protein			
297	G1519	gi1694900	0.022	Pisum sativum
	Cop1 protein.			
297	G1519	gi7592844	0.029	Oryza sativa subsp.
	COP1.			
				japonica
299	G1526	AAAA01000691	1.00E-103	Oryza. . .
	gi23193487	9.70E-32	Triticum monococcum	SNF2P.
299	G1526	gi23193479	2.50E-30	Hordeum vulgare
	subsp.	SNF2P.		
				Vulgare
299	G1526	gi15029364	0.0012	Rosa hybrid cultivar
	photoregulatory zinc-finger			
	protein			
299	G1526	gi1694900	0.0052	Pisum sativum
	Cop1 protein.			
299	G1526	gi7592844	0.011	Oryza sativa subsp.
	COP1.			
				japonica
299	G1526	gi4090943	0.014	Lycopersicon. . .
	pseudonarcissus	containing pr		
301	G1540	gi3868829	0.0014	Ceratopteris
	richardii	CRHB1.		
301	G1540	gi24417147	0.0024	Zinnia elegans
	homeobox leucine-zipper			
	protein.			
301	G1540	gi7209912	0.14	
	Physcomitrella patens	homeobox protein PpHB10.		
301	G1540	gi13365610	0.74	Pisum sativum
	SCARECROW.			
301	G1540	gi1160484	0.94	Pimpinella
	brachycarpa	homeobox-leucine zipper		
	protein.			
303	G1543	AF145727. . .	subsp.	AT002118 Flower bud
	cDNA Br			pekinensis
303	G1543	BQ857226	2.00E-37	Lactuca sativa
	QGB6P03.yg.ab1			
	QG ABCDI lettuce salinas			
	Lact			
303	G1543	AB028075	4.00E-37	
	Physcomitrella patens	mRNA for homeobox		
	protein PpHB4, comp			
303	G1543	PBPHZ4GEN	4.00E-37	Pimpinella
	brachycarpa	P. brachycarpa mRNA for		
	homeobox-leu			
303	G1543	LEHDZIPP	5.00E-37.	. zipper pro
303	G1543	gi1149535	4.30E-38	Pimpinella
	brachycarpa	homeobox-leucine zipper		
	protein.			
303	G1543	gi992598	1.20E-37	Lycopersicon
	HD-ZIP protein.			

				esculentum
303	G1543	gi7415620	1.50E-37	
	Physcomitrella patens	homeobox protein PpHB4.		
303	G1543	gi1234900	3.10E-37	Glycine max
	homeobox-leucine zipper protein.			
303	G1543	gi3868847	1.90E-35	Ceratopteris
	richardii	CRHB10.		
303	G1543	gi8919876.		
DETD				gi19073330
	4.50E-59	Sorghum bicolor		typical P-type R2R3 Myb
	protein.			
385	G2007	gi20563	2.60E-53	Petunia x hybrida
	protein 1.			
385	G2007	gi22638	3.00E-53	
	Physcomitrella patens	Pp2.		
385	G2007	gi13346194	1.50E-51	Gossypium hirsutum
	GHMYB9.			
385	G2007	gi19386839	2.60E-51	Oryza sativa
	(japonica	putative myb-relat		
				cultivar-group)
385	G2007	gi4886264	5.90E-50.	gi9087308
	1.50E-10	Mitochondrion Beta	orf102a.	
				vulgaris var.
	altissima			
387	G2010	gi22535625	0.53	Oryza sativa
	(japonica	hypothetical prote		
				cultivar-group)
387	G2010	gi14597634	1	
	Physcomitrella patens	15_ppprot1_080_c02.		
387	G2010	gi7209500	1	Brassica rapa
	S-locus pollen protein.			
389	G2053	BH923697	3.00E-31	Brassica oleracea
	odi23h12.b1 B. oleracea002			
	Brassica olerac			
389.	Populus bark			
				Populus tremuloides
393	G2085	BQ987329	1.00E-36	Lactuca sativa
	QGF11018.yg.ab1			
	QG_EFGHJ lettuce serriola			
	La			
393	G2085	gi13174240	3.20E-42	Oryza sativa
	putative zinc finger protein.			
393	G2085	gi23237937	4.30E-09	Oryza sativa
	(japonica	transposase-like.		
				cultivar-group)
DETD	393	G2085	gi12711287	0.00061 Nicotiana
	tabacum	GATA-1 zinc finger protein.		
393	G2085	gi21655162	0.0027	Hordeum vulgare
	subsp.	CONSTANS-like protein		
				vulgare
	CO9.			
393	G2085	gi1076609	0.015	Nicotiana
	NTL1 protein - curled-			
				plumbaginifolia.
	3.00E-94	Brassica napus		AP2/EREBP transcription
	factor BABY BOOM1 (B			
399	G2114	AY109146	3.00E-89	Zea mays
	PCO137288 mRNA			
	sequence.			
399	G2114	BJ188928	9.00E-87	
	Physcomitrella patens	BJ188928 normalized ful		
				subsp. patens
399	G2114	BQ864461	2.00E-78	Lactuca sativa
	QGC26M12.yg.ab1			
	QG_ABCDI lettuce salinas			
	Lac			
399	G2114	BQ122372	2.00E-74	Medicago.
	gi435942	4.40E-11	Oryza sativa	DNA-binding

	factor of bZIP			
	class.			
401	G2117	gi24460973	1.50E-10	Capsicum chinense
	bZIP transcription factor.			
403	G2123	AX281102	2.00E-58	
	Physcomitrella patens Sequence 8 from Patent			
	W00177355.			
403	G2123	BU836035	1.00E-56	Populus tremula x
	T081H08 Populus apica			
				Populus tremuloides
403	G2123	AF272573	2.00E-56.	

=> d his

(FILE 'HOME' ENTERED AT 13:54:49 ON 30 JAN 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT 13:55:04 ON 30 JAN 2006

```

L1      52 S (DA COSTA E SILVA, O? OR DA COSTA E SILVA O?)/AU
L2      1107 S (BOHNERT, H? OR BOHNERT H?)/AU
L3      21 S (VAN THIELEN, N? OR VAN THIELEN N?)/AU
L4      13011 S (CHEN, R? OR CHEN R?)/AU
L5      10 S L1 AND L2 AND L3 AND L4
L6      10 DUPLICATE REMOVE L5 (0 DUPLICATES REMOVED)
L7      0 S ZINC ADJ FINGER
L8      31306 S ZINC(W)FINGER
L9      0 S L6 AND L8
L10     14141 S L1 OR L2 OR L3 OR L4
L11     14131 S L10 NOT L5
L12     12 S L8 AND L11
L13     7 DUPLICATE REMOVE L12 (5 DUPLICATES REMOVED)
L14     2 S ZINC(W)FINGER(S)PHYSCOMITRELLA
L15     2 S L14 NOT L10

```

FILE 'USPATFULL' ENTERED AT 14:01:31 ON 30 JAN 2006

```

L16     4 S L1
L17     19 S L2
L18     5 S L3
L19     575 S L4
L20     1 S L1 AND L2 AND L3 AND L4
L21     582 S L1 OR L2 OR L3 OR L4
L22     4 S L14
L23     4 S L22 NOT L20

```

=> logout

LOGOUT IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> help commands

Enter one of these commands at the arrow prompt (=>).

```

ACTIVATE ----- Assign L#s to saved query or answer set.
ANALYZE ----- Build expand terms from answer fields.
ARCHIVE ----- Purchase rights for archiving.
DELETE ----- Delete saved or current session items.
DISPLAY ----- Display saved or current session items.
DUPLICATE ----- Determine duplicate answers
EDIT ----- Modify the text of an E-number entry.
EXPAND ----- Look at the index around a term.
FILE ----- Specify the search and display file.
FOCUS ----- Rank answers in order of relevancy.
FSEARCH ----- Find records from given patent family(s)
FSORT ----- Sort patent records by patent family
HELP ----- For help on how to use the system.
INDEX ----- Specify the Index environment.
LOGOFF ----- End the online session.

```

NEWS ----- Display current news about the system.
 ORDER ----- Order an original document or copy.
 PRINT ----- Print answers offline.
 QUERY ----- Define a search question (query).
 REDISTRIBUTE - Purchase rights for redistribution.
 SAVE ----- Save an L-numbered query or answer set.
 SDI ----- Request searches be run on file updates.
 SEARCH ----- Perform a search.
 SELECT ----- Build expand terms from answer fields.
 SET ----- Set terminal and interaction options.
 SORT ----- Sort Answers of an L-number list
 TABULATE ----- Analyze SmartSELECT L-number data.
 TRANSFER ----- Extract terms from answers and search.
 ? ----- The same as HELP.
 Enter one of these commands at the arrow prompt (=>).

For more detailed information about a command, enter HELP followed by the command name at an arrow prompt.

Example: => HELP SEARCH

For information on entering multiple commands at a single arrow prompt, enter HELP COMMAND STACKING.

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	13.58	61.52

STN INTERNATIONAL LOGOFF AT 14:05:11 ON 30 JAN 2006